Ministry of Crown Lands

ANNUAL REPORT

for the period
April 1, 1990 to March 31, 1991

Province of British Columbia

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93-01212/

British Columbia

Cataloguing in Publication Data

British Columbia. Ministry of Crown Lands.

Annual report. - 1988/89-1990/91

Report year ends March 31.

Continues in part: British Columbia. Ministry of Forests and Lands. Annual report of the Ministry of Forests and Lands for the fiscal year ended March 31.

ISSN 0838-3154

ISSN 1181-6996

1. British Columbia. Ministry of Crown Lands - Periodicals. 2. Crown Lands - Government policy - British Columbia - Periodicals. 3. British Columbia - Public lands - Periodicals.

HD319.B7B752 354.711068'326

To His Honour
The Lieutenant Governor of the
Province of British Columbia

May It Please Your Honour:

Herewith, I respectively submit the Annual Report of the Ministry of Crown Lands for the period April 1, 1990 to March 31, 1991, during which time the Hon. Dave Parker was Minister.

Respectfully submitted,

Hon. John Cashore
Minister of Environment,
Lands, and Parks

Honourable John Cashore
Minister of Environment,
Lands and Parks

Sir:

I have the honour to submit the Annual Report of the Ministry of Crown Lands for the period from April 1, 1990 to March 31, 1991.

Respectfully submitted,

Gerry Armstrong
Deputy Minister

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Introduction

Stewardship and balanced management of public land is the primary role of the Ministry of Crown Lands.

Crown land accounts for more than 90 per cent of the province's land area of nearly 93 million hectares.

The ministry sells, licenses or leases land for a wide variety of uses, helping to support industry, agriculture, conservation, recreation and settlement.

Crown land is leased and sold to encourage economic development in a manner which is sensitive to the environment. Development may be residential, commercial, or industrial, or it may involve alpine skiing, commercial backcountry recreation, or agriculture.

Crown land is used by the public for recreational activities such as hiking, biking, alpine and heli-skiing, and guiding.

Crown land is also set aside as provincial park land and other areas which protect our environment.

Through free Crown grants, land is given to local governments for firehalls, cemeteries, civic centres, utilities, community halls, local parks, schools and hospitals.

The ministry is at the forefront in land information and land use management. Computer technology, databases and satellite imagery help the ministry to provide the public and government agencies with accurate, up-to-date land information.

A fully-automated Crown Land Registry provides the public with information on Crown land tenures, as well as land information necessary to address complex environmental and Native land claim issues.

Land surveys, and the maintenance and automation of the survey structure, are also important functions of the ministry.

Mandate

The Ministry of Crown Lands is responsible to:

serve the people of British Columbia by managing and allocating public land to ensure access for industry, commerce, settlement, recreation and conservation uses in a manner that is sensitive to environmental needs and sustainable development.

Corporate Commitment

We fulfill our mandate through an integrated decision-making framework that:

- provides leadership for resolution of land use conflicts;
- ensures access to Crown land for both sustainable development and conservation;
- provides for fair and judicious allocation of land; and
- contributes economic, environmental and social benefits to the province.

A public land inventory that:

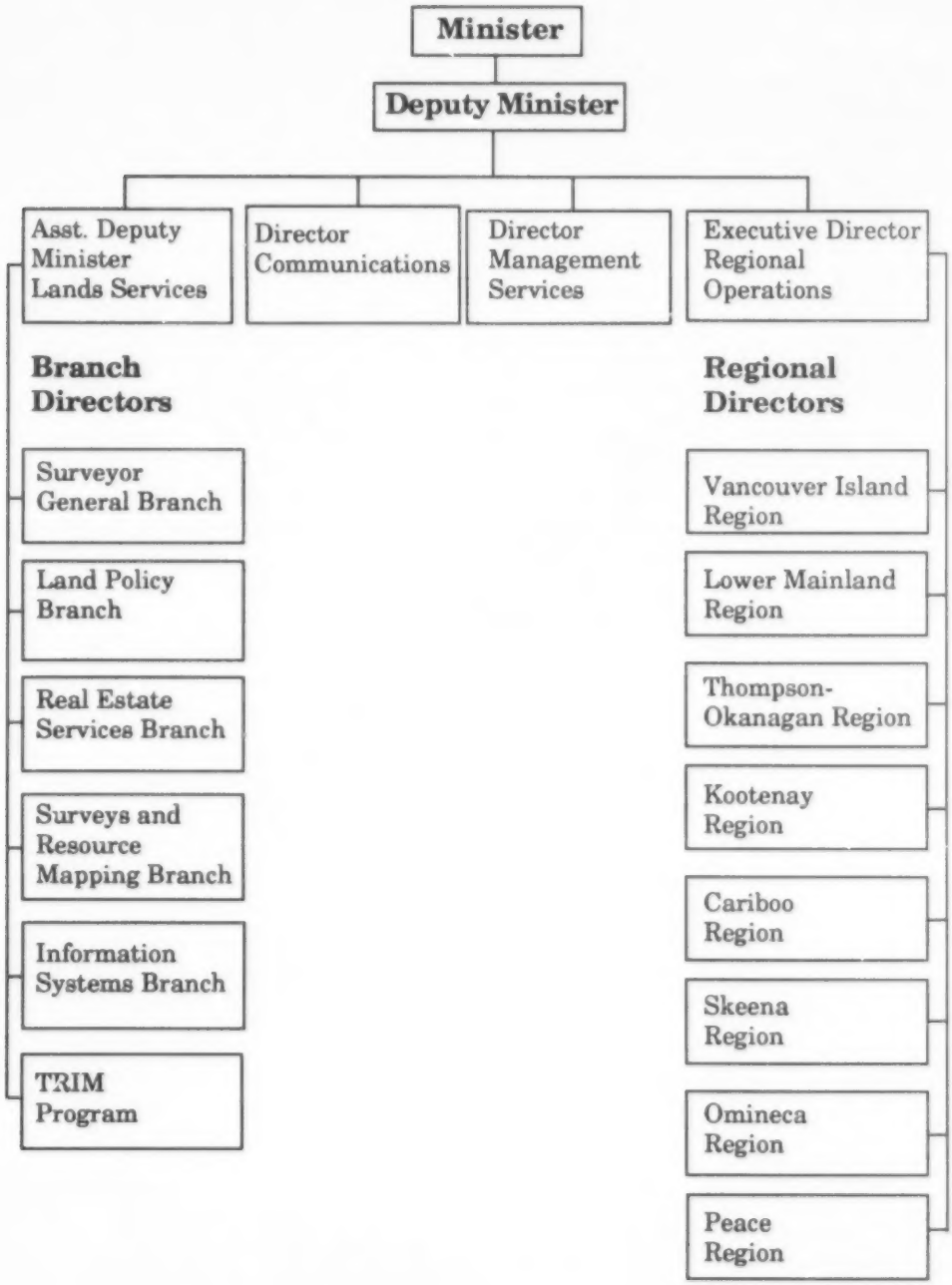
- utilizes state-of-the-art Crown land information systems and products; and

- is based on a progressive, client-oriented assessment of Crown land assets.

An environment and culture of excellence in which we:

- encourage client consultation in the design and delivery of our products;
- ensure our delivery is timely and efficient, sensitive and courteous;
- share a belief that we can make things happen — the entrepreneurial spirit;
- ensure accountability and decision-making are decentralized;
- encourage commitment, pride, participation and open communication;
- establish excellence through recruitment, training, evaluation and planning; and
- recognize and reward achievement.

Ministry Organization as of March 31, 1991



In 1990/91, the Ministry of Regional and Economic Development provided central support services to the Ministry of Crown Lands.

REGIONAL OPERATIONS DIVISION

The ministry has eight regional offices. Each regional office offers services in two distinct program areas: Land Administration, and Development and Marketing.

Through Regional Operations, the ministry strives to:

- Implement policy consistently and identify needs for further growth;
- Maintain Crown land inventory to support land programs and marketing;
- Contribute information to the Crown Land Registry — a record of all surface encumbrances on Crown land;
- Sponsor and participate in opportunity studies to identify compatible and sustainable uses of Crown land;
- Implement effective Crown land administration and marketing by liaising with local governments, agencies and client groups, and by promoting the ministry's services at trade shows and other appropriate community events;
- Counsel clients on their land needs, and assist public and private sector projects through planning and provision;
- Receive, investigate and adjudicate *Land Act* applications for Crown land;
- Market Crown land through advertised public competitions, public tender, public auction, proposal calls, and public lot draws;
- Effectively administer contracts for legal surveys, timber cruises, soil testing, and real estate appraisal.

Land Administration

The Land Administration Program derives its mandate from the *Land Act*. This program directly benefits British Columbians through economic stimulation, diversification and Crown land resource stewardship.

SHORELAND SALES PROGRAM

This program, in effect since June 1988, is designed to reduce the ministry's inventory of shoreland residential properties by offering properties for sale to existing leaseholders. It enables lessees to secure title to land, providing security of ownership and opportunities to improve these properties. The program also eases administrative responsibilities for the province.

The overall financial objective for the five-year program is $36.5 million in revenues. The program has already generated revenues of $28.3 million through the sale of 1,382 lots.

Figure 1

1990/91 Shoreland Sales Program

Region	Number of Lots Sold	Revenue Received
Vancouver Island	20	$876,250
Lower Mainland	136	2,356,815
Thompson-Okanagan	126	2,563,750
Kootenay	74	1,127,306
Cariboo	288	3,705,096
Skeena	42	2,379,274
Omineca	27	257,792
Peace	3	38,400
TOTAL	**716**	**$13,304,683**

Free Crown Grant Program

Through free crown grants, Crown land is made available for public purposes at nominal cost. The ministry grants Crown land to local governments, institutions, railways, and, under certain conditions, to Crown corporations (see Figure 2). The land is used for a variety of public purposes (see Figure 3).

Figure 2

Free Crown Grants Issued in 1990/91, by Recipient

Recipient	Number	Area (ha)	Estimated Value ($)
Municipalities and Regional Districts	29	480.66	5,446,520
Railway Companies	21	1144.45	620,588
TOTAL	**50**	**1625.11**	**$6,067,108**

Figure 3

Institutional Free Crown Grants Issued in 1990/91, by Purpose

Purpose	Number	Area (ha)	Estimated Value ($)
Park	16	141.10	5,179,460
Firehall	4	2.87	38,600
Garbage Dump	1	3.00	10,000
Cemetery	1	1.27	15,540
Airport	2	330.31	71,370
Residential	1	.27	5,600
Hospital/Health Care	1	.18	10,000
Greenbelt	1	.34	20,000
City Hall Complex	1	.94	75,000
Public Works	1	.33	20,950
TOTAL	**29**	**480.66**	**5,446,520**

Development and Marketing

The development and marketing of Crown lands is an integral component of the ministry's Regional Operations Division.

The ministry maintains an inventory of lands suitable for marketing and private-sector development. As lands are needed, they are brought forward, assessed for suitability, surveyed and appraised. Properties are then listed in the *Crown Land Marketing Catalogue* and offered for sale through open competition. If no suitable offer is received through public competition, properties are made available for sale until market value is offered.

Marketing Program

Highlights of the marketing program:

- In the Songhees area of Victoria, the ministry sold three separate multi-family sites, totalling 1.3 hectares, for $5.8 million;
- Five vacant multi-family social housing sites were transferred to the Provincial Rental Housing Corporation for housing programs. These properties, valued at $6.7 million, are located on southern Vancouver Island and in the Lower Mainland;
- A 30.5-hectare subdivision development parcel of land in Mission was sold for $4 million;
- The Prince Rupert Port Corporation purchased 26.3 hectares of land, valued at $1.3 million, for industrial development;
- The ministry facilitated the development of an 18-hole golf course by selling an 85-hectare site southwest of Invermere.

Vancouver Island Region

The region was able to identify and make available key Crown lands for residential, commercial or industrial development, as well as set aside sites for public use. Activities generated $11.9 million in revenues over the year, including $4 million in rents and fees.

Highlights of the region's activities:

LAND ADMINISTRATION

Small Craft Harbour - Comox

The federal government identified the need to expand commercial fishing facilities in Comox harbour. The ministry worked with both government agencies and the public to identify the most suitable location. A breakwater and public fishing pier has been constructed and float facilities will be installed to accommodate commercial fishing boats.

Private Moorage - Victoria

Continuing the program to legalize existing private moorage facilities, the region authorized nearly 100 tenures in the Sooke Harbour and Willis Point area of Saanich Inlet. There are almost 600 private moorage licences in the region, and the number will increase as attention shifts to legalize unauthorized improvements in other locations.

Shoreland Sales Program

In this fiscal year, 12 waterfront recreational lots were sold for total revenues of $207,000.

Hardy Bay Float Homes - Port Hardy

With the support of the District of Port Hardy, the ministry cleaned the area around the estuary at the head of Hardy Bay and removed 13 unauthorized float homes. This will help the sensitive ecological system revert to a more natural state.

Major Projects:

Several large projects will have a major impact on Vancouver Island's development. These include the Island Highway, the natural gas pipeline and an extension to the B.C.Tel Lightguide System. The region has been an integral part of these projects, authorizing work on Crown land and assisting in planning for routes.

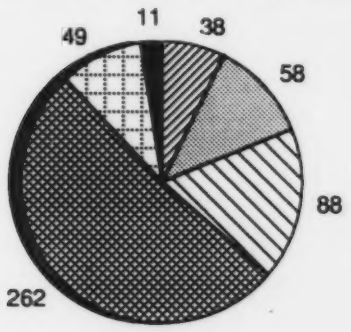
Major Free Crown Grants

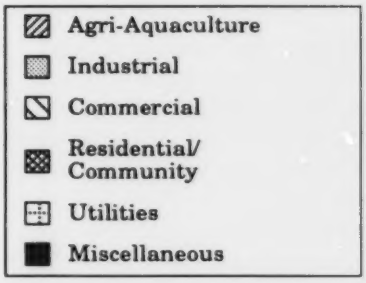
- An 11.2-hectare parcel valued at $97,500 was granted to the Capital Regional District for a Saltspring Island community park, locally know as Peter Arnell Park.
- The District of Saanich received a 0.16-hectare free Crown grant, valued at $64,500. This parcel, fronting Colquitz Creek, will be added to the Colquitz Creek Parkway.
- Cowichan Valley Regional District received a grant of 6.74 hectares, valued at $250,000. This Shawnigan Lake waterfront property will be used to create a regional park.
- A 0.03-hectare parcel, valued at $25,000, was granted to the District of Campbell River to be added to a waterfront linear parkway.

Figure 4

Vancouver Island Region Crown Land Tenure and Application Activity, not including reserves, 1990/91

Number of *Land Act* Applications

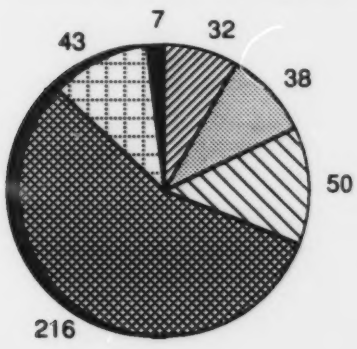




Total received - 506

Total area - 12,610 ha

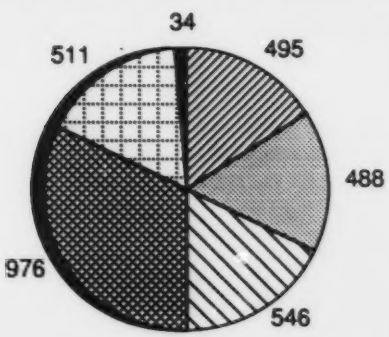
Number of *Land Act* Dispositions



Total - 386

Total area - 703 ha

Number of *Land Act* Tenures



Tenure Portfolio as of March 31, 1991

Total - 3,050

Total area - 94,121 ha

DEVELOPMENT AND MARKETING

Songhees - Victoria

Three highly-desirable serviced condominium sites were sold in May 1989. Marketing preparation work, including soil analysis, continued on site E in anticipation of a public offering of this large development property in the fall of 1991.

The region was involved in extensive negotiations with the City of Victoria and CN Real Estate to secure a corridor for future light rail transit through the Songhees area.

Duke Point Development - Nanaimo

The B.C. Ferry Corporation is investigating possible consolidation of its Nanaimo terminal operation at Duke Point, a property managed by BC Lands. To accommodate increased traffic, new terminal facilities with direct access to the Island Highway are being considered.

Lakeview - Cowichan Lake

In a joint planning and marketing initiative with the Village of Lake Cowichan and a private landowner, the region will cooperatively develop two significant lakefront parcels. Plans for the 81-hectare Crown parcel and 27.5-hectare private parcel include commercial, residential and tourist development, along with preservation of key lands and the lakeshore as a public park.

Discovery Harbour - Campbell River

The federal, provincial and municipal governments agreed to a land transfer which will permit the Campbell River Indian Band company to develop the $50 million Discovery Harbour project in downtown Campbell River. Early in 1990, harbour dredging, foreshore filling and breakwater construction were completed. The recreational marina was operational in time for the 1990 summer boating season.

Beaver Lodge Lands - Campbell River

Continued strong growth in the Campbell River area accelerated the Vancouver Island Region's efforts in the planning and marketing of key residential lands, including designating essential school sites in cooperation with the District of Campbell River.

Lower Mainland Region

Population growth and increasingly competitive demands on the land base have increased interest in Crown land.

The region participated in several important studies, including the Fraser River Estuary Management Program, Boundary Bay Delta Land Use Study and Squamish Estuary Management Committee.

The region was responsible for the Provincial Farm program (former Agricultural Land Commission Properties) and various land disposition projects. These included the Hillside industrial development near Gibsons, a golf course at Harrison Hot Springs, and Balaclava Golf Course in Pemberton.

Highlights of the region's activities:

LAND ADMINISTRATION

Shoreland Sales Program

In this fiscal year, 114 shoreland parcels were sold for total revenues of $2.3 million.

Aggregate Program

To meet the ongoing demand for aggregate products, three sites in the Coquitlam and Whistler area were marketed for gravel quarrying.

A joint study with the federal Department of Fisheries and Oceans was arranged to identify suitable aggregate sites for marketing in the Fraser River between Hope and Sumas.

Through this aggregate program, the ministry received revenues totalling $2.25 million.

Rainbow Park

More than two hectares of land were transferred to the Municipality of Whistler for a natural extension to Rainbow Park. The land, at the north end of Alpha Lake, has an estimated value of $420,000.

Roberts Bank Soil Improvement Program

The ministry initiated this program to improve the agricultural productivity of the Roberts Bank Back-up Lands. The program will encourage and assist agricultural lessees to implement a variety of soil improvement projects.

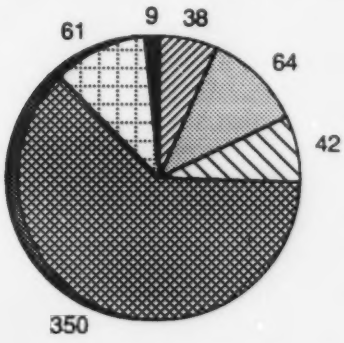
Sechelt Golf Course

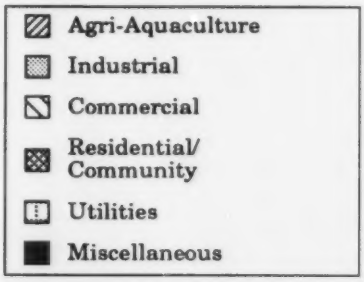
The ministry provided 58 hectares of Crown land to the Corporation of the District of Sechelt. The land will be developed as an 18-hole public golf course, and will attract golf tourist traffic to the circle route of Powell River, Campbell River and Sechelt.

Figure 5

Lower Mainland Region Crown Land Tenure and Application Activity, not including reserves, 1990/91

Number of *Land Act* Applications

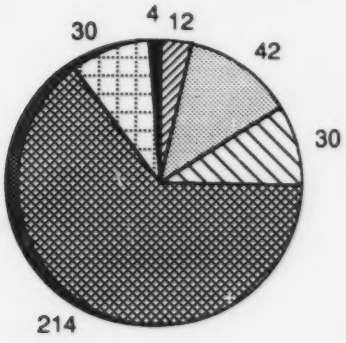




Total received - 564

Total area - 27,298 ha

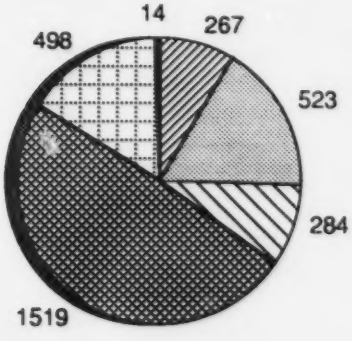
Number of *Land Act* Dispositions



Total - 332

Total area - 2,585 ha

Number of *Land Act* Tenures



Tenure Portfolio as of March 31, 1991

Total - 3,105

Total area - 27,711 ha

DEVELOPMENT AND MARKETING

A total of 76 properties were sold for recreational, residential, agricultural, commercial and industrial uses, generating $8.5 million in revenue.

Residential Development

The first phase of residential development at the Order of Mary Immaculate lands in Mission was sold. The 30.36-hectare parcel was sold for $4 million, with serviced lots to be available in early 1992.

Phase 7 of the Somerset Joint Venture with Genstar Development Company in Pitt Meadows was sold in 1990, concluding a residential development spanning five years. The province not only received the basic land value, it also shared in the profits, bringing in revenues of more than $4 million for the province.

Ski Development

The region coordinated an interagency review of a development proposal for a potential ski resort near Squamish. Staff marketed an alpine ski resort development opportunity in the Callaghan Valley near Whistler, although no proposals were considered acceptable. The region also reviewed and administered ongoing improvements at Blackcomb and Whistler mountains.

Thompson-Okanagan Region

The Thompson-Okanagan Region managed 3,207 tenures and 1,326 reserves. There were 926 applications for new dispositions, an increase of six percent over the previous year. New dispositions totalled 490.

Highlights of the region's activities:

LAND ADMINISTRATION

Shoreland Sales Program

This program resulted in the sale of 126 lots, generating more than $2.5 million in revenues. Although the majority of these sales were to existing lessees, four vacant lots were also marketed by lot draw. Since the program began in 1988, the region has generated more than $5.3 million.

Communication sites

The expanding communication industry, including cellular telephone services, resulted in several new applications for mountain sites. There were 15 dispositions for communication sites, as well as applications for sites to serve the Okanagan Connector highway.

Private moorage

The program to legalize private moorage resulted in 56 new dispositions, more than double the amount of last year. There is increased public awareness of the need for authorization before placing permanent structures on the foreshore. The public is also more aware of the advantages of legalizing historic foreshore trespasses. Staff assisted the Regional District of Central Okanagan in preparing a foreshore plan to guide development of moorage on part of Okanagan Lake.

DEVELOPMENT AND MARKETING

Marketing programs resulted in the sale of 28 residential properties, three commercial properties, and three agricultural parcels for total revenues of $537,635.

Two major industrial projects in the Kamloops and Kelowna areas received considerable attention from local and international purchasers. Sales were initiated on two development parcels at Campbell Creek Industrial Park, and three industrial lots were sold in Kelowna and Ashcroft.

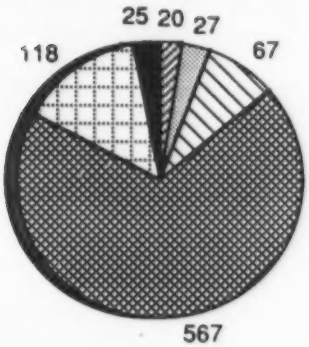
Ski Area Development

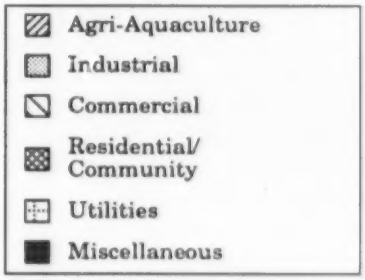
The ministry executed a development agreement with Apex Alpine Recreations Ltd. to provide for the coordination of base area development and recreational development. More than 12 hectares of land were sold to Silver Star Mountain Resorts for residential development.

Figure 6

Thompson-Okanagan Region Crown Land Tenure and Application Activity, not including reserves, 1990/91

Number of *Land Act* Applications

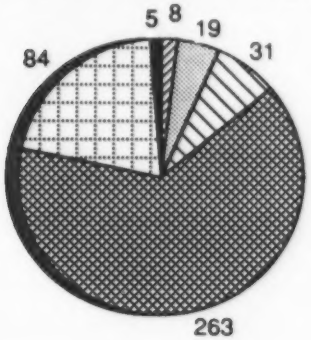




Total received - 824

Total area - 2,687 ha

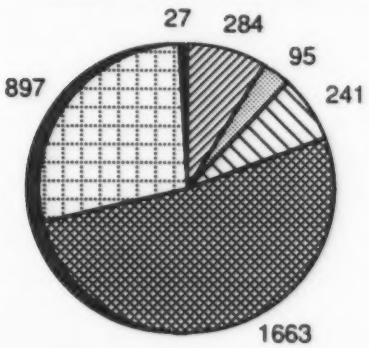
Number of *Land Act* Dispositions



Total - 410

Total area -1,924 ha

Number of *Land Act* Tenures



Tenure Portfolio as of March 31, 1991

Total - 3,207

Total area - 111,643 ha

Golf Course Development

More than 30 hectares of land were sold for an 18-hole golf course east of Kamloops.

A licence of occupation was issued for 13 hectares at Fairview, near Oliver, to facilitate expansion of a nine-hole course to an 18-hole course.

More than 20 hectares were offered for sale for a proposed new 18-hole golf course west of Penticton.

At Peachland, more than nine hectares formerly leased for a golf course were sold for that purpose.

Free Crown Grants

The District of Logan Lake received a grant of 1.2 hectares, valued at $15,000, for a cemetery.

B.C. Rail received three grants, totalling 4.3 hectares, in the Clinton area.

Koctenay Region

Economic activity in the Kootenay region increased in 1990/91 with a strong interest in commercial recreational development.

To assist Kimberley in its diversification program, Crown land has been sold to the city for development of an 18-hole golf course. A small parcel of Crown land has also been sold to support the expansion of the 18-hole Radium Golf Course to a 27-hole course.

Considerable staff support has been provided for the proposed expansion of Mount MacKenzie ski hill at Revelstoke where a major destination resort is planned.

The ministry continues to pursue opportunities identified in the Commercial Winter Recreation Opportunities Study completed in 1989/90. After extensive review, proposals were requested for helicopter skiing at the north end of Kootenay Lake and in the Fernie area.

Highlights of the region's activities:

LAND ADMINISTRATION

Nine of the 17 mechanized (helicopter and caterpillar) skiing tenures were converted to the new Mechanized Skiing Policy. These revised agreements streamline administration and clearly document the management programs for these businesses.

Shoreland Sales Program

Under this program, most lakefront lessees have had an opportunity to purchase their properties. A total of $1.12 million was generated this year.

DEVELOPMENT AND MARKETING

Commercial Development

The ministry sold a key commercial development site in the District of Invermere. This site, to be developed as a hotel, marina and condominium development, will enhance the Columbia Valley's reputation as a resort destination area.

Residential Activity

Demand for residential property increased in the rural areas of the region, resulting in strong demand and increased sales of rural lots.

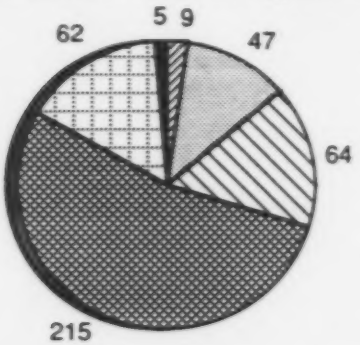
Industrial Development

Four sites were sold in the Columbia Gardens Industrial Park. A battery recycling complex will be developed to serve the region.

Figure 7

Kootenay Region Crown Land Tenure and Application Activity, not including reserves, 1990/91

Number of *Land Act* Applications

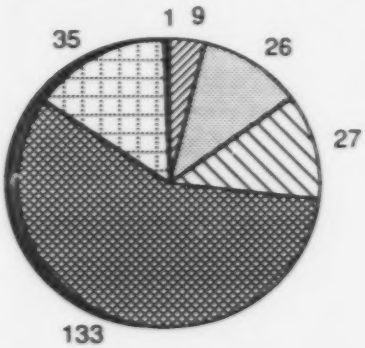


Agri-Aquaculture
Industrial
Commercial
Residential/ Community
Utilities
Miscellaneous

Total received - 402

Total area - 5,998 ha

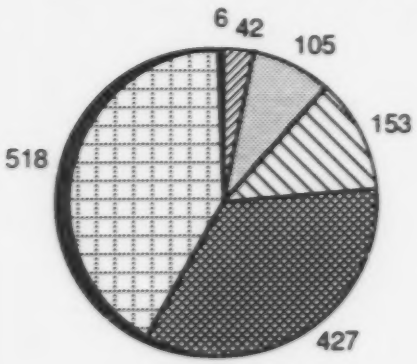
Number of *Land Act* Dispositions



Total - 231

Total area - 3,548 ha

Number of *Land Act* Tenures



Tenure Portfolio as of March 31, 1991

Total - 1,251

Total area - 22,733 ha

Cariboo Region

This region manages some of the most attractive and accessible recreational lands in the province. Staff work closely with the ministries of Forests, Agriculture, Fisheries and Food, Development, Trade and Tourism, Environment and other sectors to achieve optimal land use in this regard.

Highlights of the region's activities:

- Through proposal call, a 20-hectare ancillary site was provided for use as safe off-site storage. This site was critical to the success of a woodwaste power generation facility.
- The region successfully marketed the assets of a dissolved aquaculture operation, including a 120-foot full-facility marine tender and associated nets and support equipment.
- The region participated in planning and remediation activities for contaminated mine tailings in the community of Wells.
- With modest funding, the region cleaned 15 sites consisting primarily of trespass and forfeited houses. This was accomplished through regional staff and private contractors.
- The ministry's public profile was promoted by participation in trade shows, tourist association and economic development meetings, as well as backcountry recreation and other resource-use forums.

LAND ADMINISTRATION

Shoreland Sales Program

288 shoreland parcels were sold this year. Total value of sales is $3.7 million, $1.2 million more than the forecasted amount for the first three years of the program.

Contracts

175 service contracts, with a total value of $685,000, were awarded to local suppliers to assist in preparing properties for sale.

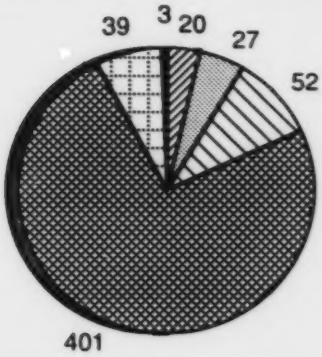
DEVELOPMENT AND MARKETING

A total of 40 properties, valued at more than $500,000, were sold by lot draw, proposal call, multiple listings, or through the *Crown Land Marketing Catalogue*.

Figure 8

Cariboo Region Crown Land Tenure and Application Activity, not including reserves, 1990/91

Number of *Land Act* Applications

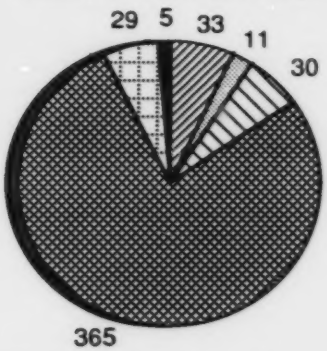


Agri-Aquaculture
Industrial
Commercial
Residential/ Community
Utilities
Miscellaneous

Total received - 542

Total area - 7,849 ha

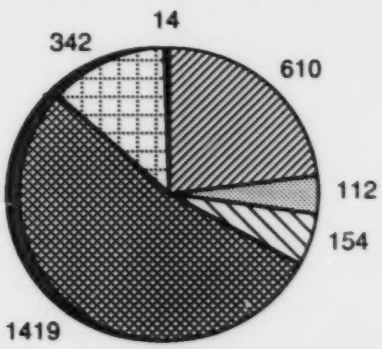
Number of *Land Act* Dispositions



Total - 473

Total area - 2,152 ha

Number of *Land Act* Tenures



Tenure Portfolio as of March 31, 1991

Total - 2,651

Total area - 87,196 ha

Skeena Region

Highlights of the region's activities:

- Eurocan Terminals purchased 12 hectares at Kitimat Harbour for $775,000.
- A 26-hectare site at Prince Rupert was sold to the Prince Rupert Port Corporation for $1.2 million.
- An agreement was made with Shames Mountain Ski Corporation for the development and operation of Shames Mountain ski hill.
- A 12-lot residential subdivision in Dease Lake was developed.
- Various servicing components for the Prince Rupert Industrial Park were completed.
- The region completed a land exchange with the Town of Smithers to provide park land and residential land for the town.
- A study of sewage disposal options was conducted for shoreland lots at Topley Landing.
- The region participated in trade shows in Prince Rupert and Houston.

Free Crown Grants

Close to six hectares of land, valued at $72,000, were granted to the Town of Smithers for a public baseball diamond and associated facilities.

The City of Prince Rupert was granted 0.3 hectares of land, valued at $20,000, for greenbelt purposes.

The Terrace Health Care Society was granted 0.7 hectares of land, valued at $20,275, for a senior citizens supportive housing complex.

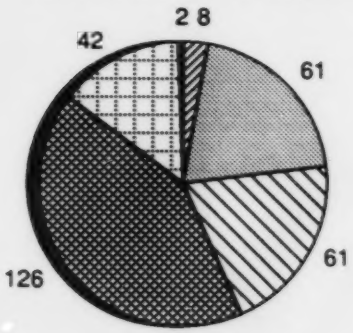
The Village of Port Clements received 0.18 hectares for a health-care clinic.

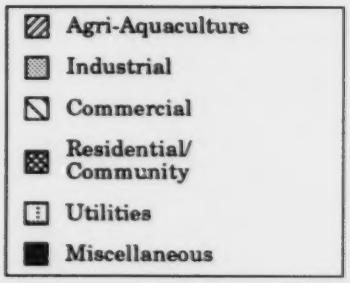
The Haida Tribal Society was granted 39 hectares of land in connection with the Tasu Townsite transfer.

Figure 9

Skeena Region Crown Land Tenure and Application Activity, not including reserves, 1990/91

Number of *Land Act* Applications

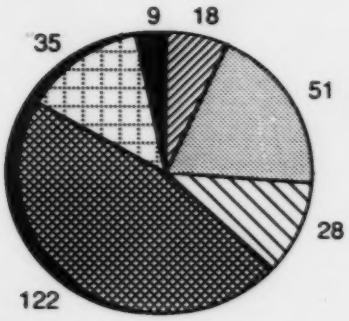




Total received - 300

Total area - 5,599 ha

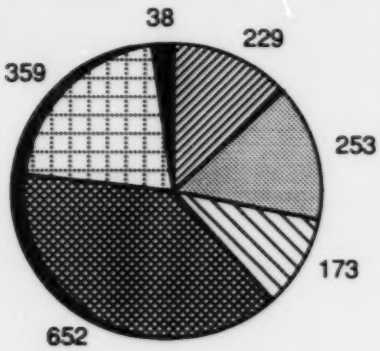
Number of *Land Act* Dispositions



Total - 263

Total area - 2,494 ha

Number of *Land Act* Tenures



Tenure Portfolio as of March 31,1991

Total - 1,704

Total area - 43,230 ha

Omineca Region

Highlights of the region's activities include:

LAND ADMINISTRATION

Free Crown Grants

The Interim Governing Council of the University of Northern B.C. announced the selection of vacant Crown land on Cranbrook Hill as the site for its main campus. The ministry will provide a free Crown grant to the university covering any land required for building sites, parking lots, and other intensive use facilities.

Commercial Recreation Opportunity Study

The region initiated the Rocky Mountain Crown Land Plan. This plan, scheduled for completion in late 1992, will help identify backcountry commercial recreational opportunities and resolve any potential conflicts among various user groups.

Community Involvement

Staff participated in the Prince George Chamber of Commerce Trade Show and attended numerous client group meetings.

Industrial Land Use

Ministry staff reported on all unauthorized log storage sites on Williston Lake. As a result, sites were cleaned and legalized.

Shoreland Sales Program

Shoreland sales were more active than anticipated, producing revenues of $258,000.

DEVELOPMENT AND MARKETING

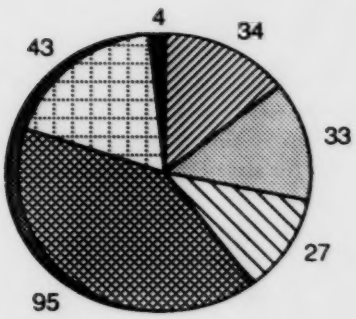
The region completed cleaning seven abandoned residential sites in the Hixon area. These sites, to be prepared for marketing, were identified by the Regional District of Fraser-Fort George as being potentially dangerous.

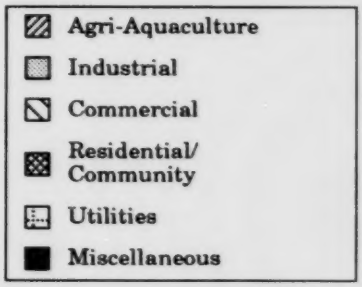
As the market continued to improve, 10 residential properties were sold.

Figure 10

Omineca Region Crown Land Tenure and Application Activity, not including reserves, 1990/91

Number of *Land Act* Applications

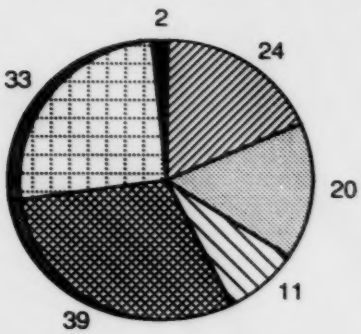




Total received - 236

Total area - 115,672 ha

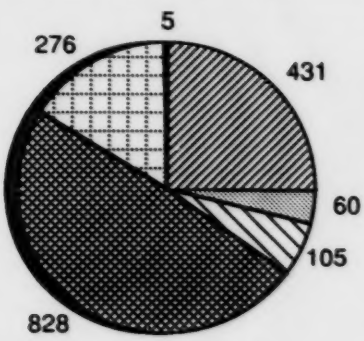
Number of *Land Act* Dispositions



Total - 129

Total area - 2,857 ha

Number of *Land Act* Tenures



Tenure Portfolio as of March 31, 1991

Total - 1,705

Total area - 49,103 ha

Peace Region

This region offers a unique landscape in a resource-based economy. The tenure portfolio reflects this diversity with extensive areas committed to agriculture, industry, wildlife and recreation.

Highlights of the region's activities:

- Major oil and gas exploration in the Ring-Border and Puggins Mountain areas resulted in 10,950 kilometres of seismic referrals and accelerated approval for 226 wellsites.
- The B.C. Hydro right-of-way to the Louisiana Pacific pulp mill near Chetwynd was completed.
- Research of private-sector oil and gas industrial transactions was completed to guide ministry valuations on Crown land.
- Public presentations were made on the new Agriculture Policy and on the *Commercial Backcountry Recreation Discussion Paper*.
- The region's commitment to leadership in resource management was demonstrated by participation in inter-agency management plans and provincial forest boundary reviews.
- Staff demonstrated leadership in chairing the Fort St. John Service Quality Council and producing a local guide to ministry services.

DEVELOPMENT AND MARKETING

- A total of 16 residential sites, valued at $146,000, were sold.
- Six agricultural leases, totalling 978 hectares, were marketed. The total value of the land is $125,000.
- Three shoreland sales, valued at $38,400, were completed at Moberly Lake. Surplus government properties, valued at $12,000, were sold.
- Regional staff managed 281 properties, valued at $2.67 million. Eighty-five per cent are listed with local realtors.

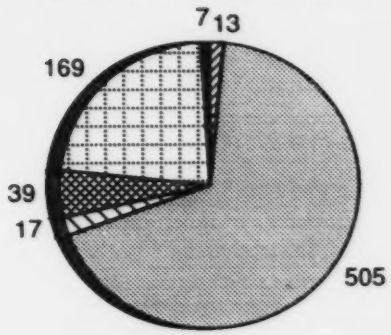
Free Crown Grants

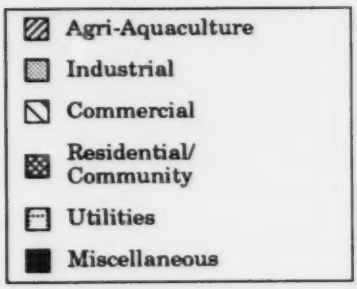
- The City of Dawson Creek received three hectares of land, valued at $10,000, for access and buffer to its landfill site.
- The Town of Fort Nelson received 2.9 hectares of land, valued at $61,000, for five neighborhood parks. The town was also granted seven hectares, valued at $41,000, for the Art Fraser Memorial Park, as well as 0.33 hectares, valued at $20,000, for a public works yard.
- The District of Hudson's Hope was granted 0.45 hectares of land for an extension to King Gething Park.

Figure 11

Peace Region Crown Land Tenure and Application Activity, not including reserves, 1990/91

Number of *Land Act* Applications

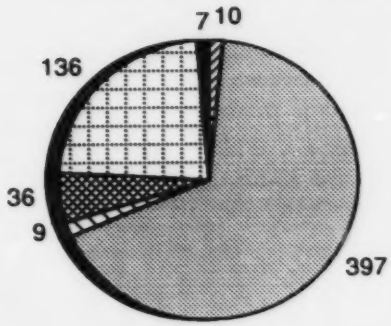




Total received - 750

Total area - 15,799 ha

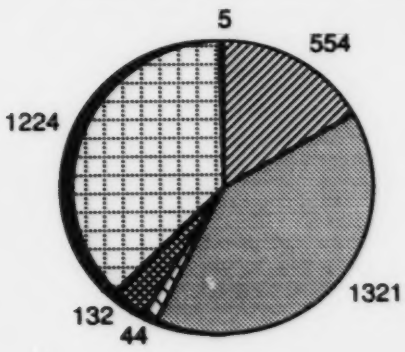
Number of *Land Act* Dispositions



Total - 595

Total area - 2,871 ha

Number of *Land Act* Tenures



Tenure Portfolio as of March 31, 1991

Total - 3,280

Total area - 130,788 ha

LAND SERVICES DIVISION

Lands Services Division consists of five headquarters branches:

- Land Policy
- Real Estate Services
- Surveyor General
- Surveys and Resource Mapping and
- Information Systems

Land Policy

This branch provides support to the ministry's regional operations and serves a wide range of clients in government and the private sector.

The Land Policy Branch writes and reviews policies to help manage Crown land and provides policy and documentation support to the Regional Operations Division. New policies ensure proper stewardship of the Province's land resources in a manner that is sensitive to environmental needs and sustainable development.

There were several major initiatives undertaken this year:

Agricultural Policy

Following an extensive public review of agricultural development on Crown land, the ministry introduced a new policy for the Agricultural Lease-to-Purchase Program. Changes will restrict future allocation of Crown land for agriculture to existing farmers, remove subsidies, increase rentals, and include other initiatives to ensure sustainable development.

Automated Documentation System

In May 1990, an automated documentation system was implemented to allow staff to retrieve information directly from the land database and incorporate it into tenure documents. This enhances the decentralized production of tenure contracts. The branch was instrumental in the development and implementation of this automated system, and continues to play a strong supportive role.

Commercial Backcountry Recreation

To deal with growing pressures on backcountry areas, a land use policy on commercial backcountry recreation was needed. Following research and meetings with interested agencies, a discussion paper outlining possible policy directions was released for public comment in January 1991.

Crown Land Account

A new financial and project management system was introduced to improve management of the Crown Land Account. The new system is more responsive to regional development, marketing requirements and management reporting needs. Training and user support was provided by the branch. The *Crown Land Account Manual* was written and distributed to all users.

Energy Policy

The ministry hosted a western provinces workshop on surface access for petroleum and natural gas exploration and development. This information-sharing session examined how different jurisdictions dealt with surface access. The insights gained will be used in a review of the ministry's energy policy.

Goods and Services Tax Implementation

The branch coordinated the implementation of the federal GST. This required a complete review of all ministry supplies of goods and services to determine their GST status and subsequent revisions to policies and procedures.

Land Act *Review*

The Branch completed background work for a comprehensive review and revision of the *Land Act*.

Corporate Policy

The branch acts in a secretariat role to support ministry-wide corporate goals. The ministry created a new Human Resources Committee to develop and implement actions that will enable staff to achieve personal and corporate excellence in the delivery of services and products. The branch provided leadership and ongoing policy support for this committee.

Aboriginal Land Issues

The ministry continues to assist the Ministry of Native Affairs in negotiating claims for lands previously cut-off from allotted Indian reserves. During the year, negotiations continued with the Songhees, Nuhwitti and Upper Similkameen bands. A land-exchange agreement was completed with the Lakalzap Band. The ministry also agreed to sell land to Canada for the expansion of Indian Reserves near Port Hardy, and at Okanagan and Nimpo Lakes.

Regional Support

The branch provided ongoing support to regional staff by providing clarification and advice on policy, responding to concerns over documentation and legal matters, and replying to other inquiries of a corporate nature.

Resource Roads

The branch represented ministry interests on an inter-agency task force developing a coordinated policy and new legislation for the permitting of industrial resource roads. The policy and legislation will provide province-wide standards for resource road development.

Real Estate Services Branch

The Real Estate Services Branch provides provincial services for land and timber acquisitions and assists in Crown land dispositions. Land is acquired through purchase, gifting, transfer and exchange, and used for a variety of government programs and uses, such as provincial and national parks, ecological reserves, social housing and historic sites.

Highlights for 1990/91:

Lot 160 at Cowichan Bay

The Province's acquisition of this lot from Canadian National Railways provided a valuable land-holding which is jointly used for industrial and conservation purposes.

CNR Abandoned Railway Right-of-way

One of the ministry's key initiatives is to acquire abandoned railway rights-of-way. The province acquired the CNR Victoria-Saanich right-of-way, the only intact land corridor approaching Victoria from the north. The 5.1-kilometre right-of-way is now used as a recreational corridor for walking and cycling, but it also has long-term options for use as a transportation passage.

Crown Land Inventory Program

This recently-developed program provides a land-holding registry of all ministries and some Crown agencies. The automated registry identifies which ministry/agency owns a particular parcel, lists its location and potential use, and identifies other pertinent information.

Vancouver Airport Exchange

As part of this exchange with the federal government, the ministry acquired four highly-valued properties. This allows both governments to better utilize their respective land holdings in the area, as each now owns property which is more readily marketable.

Haley Lake Ecological Reserve

The branch handled acquisition particulars relating to this 27-hectare donation from Fletcher Challenge Canada. The property was added to Haley Lake Ecological Reserve, established in 1987 to protect the endangered Vancouver Island Marmot.

Wallace Island

On behalf of BC Parks, the branch acquired Wallace Island for park purposes in July 1990. The 73-hectare property, located between the northern tip of Saltspring Island and Galiano Island, is valued at $1.6 million. The island has an extensive trail system, and offers recreational opportunities for boating and hiking.

Crown Land Sales Report

The branch has developed quarterly reports of all Crown land sales for public viewing in all BC Lands offices. These reports provide the public with information relating to all land sales, including free Crown grants and land exchanges.

Crown Land Marketing Catalogue

Three editions of the popular *Crown Land Marketing Catalogue* were produced in 1990/91. The final edition was significantly reformatted to provide more information on available Crown land. More copies of this free catalogue are being produced. The catalogue is available on a first-come-first-served basis.

Surveyor General

The Surveyor General Branch is responsible for:

- Maintaining the land-survey systems by drafting and enforcing regulations, issuing instructions and providing counsel;
- Developing and maintaining technical standards for cadastral mapping and parcel-based information systems and managing the compilation of cadastral base information on behalf of provincial government agencies.

Statutory Requirements

The Surveyor General, a required signatory on many government documents, completed the following duties:

- *Land Title Act*: Issued 118 Block Outline Survey orders involving 780 lots and 98 road dedications.
- *Land Act*: One plan was signed for road dedication through Crown land to a private subdivision.
- *Land Survey Act*, Part 2: Two Orders-in-Council were prepared designating Integrated Survey Areas: City of Vancouver as ISA #31, and Township of Ladysmith as ISA #43. Five supplementary certificates were issued. At the end of the year, 49 areas have been or are in the process of being designated as ISAs.
- *Land Act* and *Land Title Act*: Adjudicated 52 accretion and natural boundary applications and executed 40 plans under the *Land Title Act*. Adjudicated 12 applications and executed 7 plans under the *Land Act*.
- Other Statutes: A total of 1,648 plans were confirmed or approved under the *Land Act*, *Land Title Act*, *Mineral Tenure Act* and *Petroleum and Natural Gas Act*.
- Survey posts: The branch is responsible for the design and quality control of survey posts, sold through the Corporation of British Columbia Land Surveyors.

Survey Field Operations, Verification and Control

Accomplishments include:

- Inspected four natural boundary applications.
- Conducted field audits for contract surveys in the Kootenay and Lower Mainland regions.

Automation of Official Survey Plans Project

This project is designed to electronically record, edit and file survey plan information. The branch evaluated and tested automation of the plans to determine its efficiency for the private sector and the branch. While the results are encouraging, great improvements to efficiency are already expected with the implementation of the Cadastral Data Management System. This project is therefore indefinitely postponed.

Computer Graphics

- This unit, responsible for producing the ministry's automated reference maps, produced 342 map sheets on a scale of 1:20,000 and larger.

- Through the Reference Map Updating Project, 3,681 map sheets on a scale of 1:20,000 were updated.

Georeferencing

- Georeferencing is integral to the development of an automated system for assigning land status and providing other applications to benefit users of the Crown Land Registry Information System (CLRIS).
- Staff reviewed software and mapping standards for the georeferencing of referencing maps, and selected a new quality-control system for georeferencing text and graphic data bases. A new process will be used to create an electronic connection between the parcels depicted on the reference maps and the status and tenure data in the Crown Land Registry.

  A strategy for georeferencing the existing map inventory is not yet complete. Map design files, constructed to gradually improving standards between 1982 and 1988, will require upgrading before a new procedure can be completed.

Hardware Systems

- This unit maintained production control statistics to track labor required for the automated reference map programs. Staff perform daily and weekly backups for all branch computer systems, and are responsible for map plotting on the Calcomp Plotters.

Cadastral Compilation

- This unit is primarily responsible for producing cadastral database information as part of the graphic portion of the CLRIS.
- 187 medium scale or rural map sheets at a scale of 1:20,000 were completed.
- A total of 71 large scale or urban map sheets at scales of 1:2,500 or 1:5,000 were completed, primarily for planning projects.
- Updates to the Agricultural Land Reserve map sheets were completed to 29 base sheets and 34 constituent sheets.
- Integrated survey area map production was completed for Prince George and Campbell River. Map production is underway for Maple Ridge, White Rock, North Vancouver and Langley City.

Survey Control

This section is responsible for researching survey records, verifying survey plans, and updating manual and automated reference maps. It also interprets and drafts legal boundary descriptions, provides related technical support services for Native land issues and Crown land dispositions, and maintains the computerized information systems which records production activities for the section. Accomplishments include:

Reference Map Updates

- Approximately 3,600 automated reference maps were updated on a daily basis. Close to 4,000 updates were generated in the Map Update Ledger (MUL) system and entered on automated reference maps.

Vancouver Island Centroid Project

- This project researched and captured mapping values for 12,084 surveyed primary parcels that encompass all land districts on Vancouver Island. This data will now allow for the data capture and loading of the mandatory Administrative Boundary field codes for all primary Parcel Identification Numbers (PINs) in the Crown Land Registry system.

Survey Plan Index (SPI)

- Due to funding limitations, loading of the data relating to the Esquimalt and Nanaimo Railway Land Grants into the Survey Plan Index was deferred until 1991/92.

Program Services

This five-unit section is responsible for managing the records of historic and current Crown land encumbrances and dispositions, including land surveys and Crown grant conveyances. It provides complex land status information and general survey information. The section is also responsible for developing systems, researching programs and policies, and enhancing the textual portion of the CLRIS. Accomplishments include:

Crown Grant Dispositions

- 1,328 Crown grants were completed, a 19 per cent increase in volume from last year. In addition, 1,054 copies of Crown grant documents were provided to clients. Staff responded to 73 enquiries which involved historical research.

Survey and Tenure Document Information

- 1,453 requests for survey information were processed, an increase of 17 per cent from the previous year. Staff also processed seven requests for certified lease documents.

Lands File System

- 2,946 files were microfilmed, including the 27 file register volumes.

Registry Information

- 10 colour map statuses and 20 written statuses were completed.

Data Verification:

- A 10 per cent verification of all data entries to the Crown Land Registry revealed 0.5 per cent omission and 0.2 per cent errors.

Crown Land Registry Data Enhancement Program:

- After extensive preliminary work, the first phase of the data enhancement program began in August. Both the Queen Charlotte and Peace Districts were completed, and work began on the Cariboo District. The program also involved development and testing of a comprehensive update program for processing multiple subdivision records, and the development of a procedural manual. At the end of the fiscal year, 13,750 primary parcels were processed with an average rate of expansion of 17 times for subdivision record creation.

Figure 12
Number of Crown Grants issued from 1986/87 to 1990/91

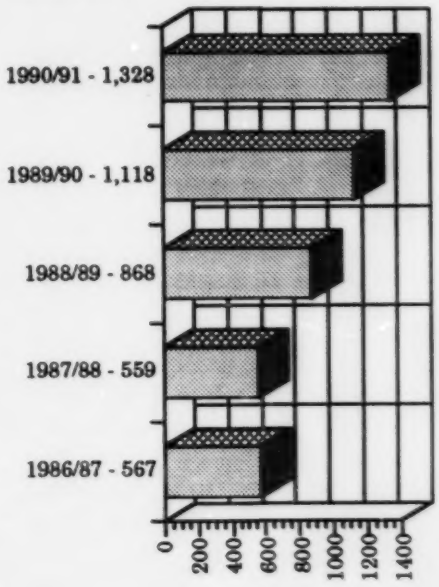


Figure 13

Crown grants issued in 1990/91

Type	Number	Hectares
Land Purchases	1,222	9,349.13
Exchanges	4	245.03
Raised Title	42	299.03
Free Crown Grants	50	1625.11
Miscellaneous	10	145.66
Total	**1,328**	**11,663.96**

Surveys and Resource Mapping

This branch serves government agencies and the public by providing base mapping and survey control to meet economic and resource management needs. This year's accomplishments were directed towards developing new systems and technology to manage land information and keep pace with recent changes in remote sensing, survey control and georeferencing.

Aerial Photography

- More than 90 per cent of requests for aerial photography come from the Ministry of Forests to support its programs. Requests specify scale, color, black and white, or infrared coverage.
- The total area flown in this flying season was 58,066 line kilometres, 98 per cent of the planned program.
- In the Winter Leaf-Free Air Photography Program, photography was produced for the Ministry of Transportation and Highways' controlled mapping program. A total of 488 line kilometres were flown of the planned program of 548 line kilometres. The Spring Leaf-Free Air Photography Program is in preparation, with plans to cover 6,401 line kilometres.
- Total expenditure for the Aerial Photography Program was $1,962,609. Funds recovered from government and private sector clients totalled $1,974,000.

Mapping Coordinates and Survey Control

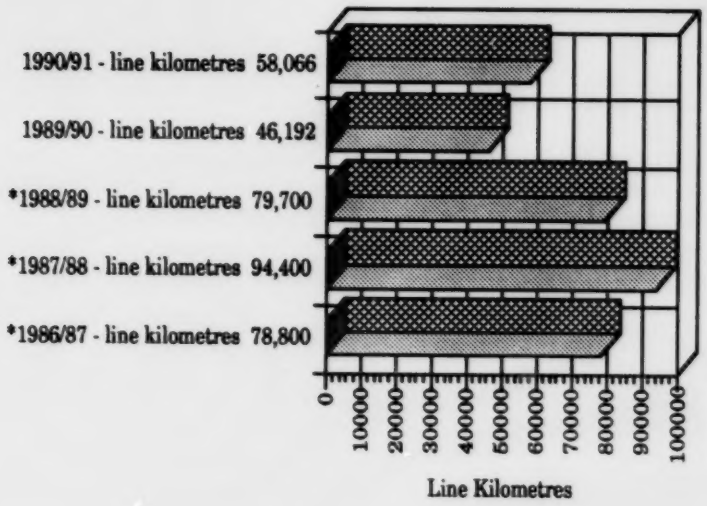
- In support of the Federal-Provincial Floodplain Mapping Agreement, survey control contracts were completed for seven floodplain mapping areas: Chilako River, Fall Creek, Little Qualicum River, Naver Creek, Seymour River, Shuswap River and Somass River.
- The branch completed surveys for two Integrated Survey Areas (ISAs): City of Colwood and Township of Langley. 83 per cent of the province's population is now covered by ISAs.
- In Vernon, a calibration baseline and validation basenet were completed to check and validate the operation of satellite technology based measuring systems, known as Global Positioning Systems (GPS).
- The baseline consists of six concrete piers, set in a straight line, used to calibrate electronic distance measuring equipment. The basenet has four additional piers placed outward from the baseline at a distance up to 60 kilometres.
- In conjunction with the federal government, a GPS control survey was conducted throughout the Vancouver and Victoria areas. Data from the survey strengthened the Integrated Survey networks in these areas prior to readjustment on the new North American Datum 1983 (NAD 1983).

- With the 1990 adoption of NAD 1983 as the official provincial datum for georeferencing, staff continued efforts to facilitate conversion. A computer software package was evaluated and amended for release to the public in 1991. The software will convert non-geodetic control point coordinates that do not require rigorous recomputation from the 1927 North American Datum to the 1983 datum.
- The branch began to implement MASCOT, a survey control data processing and management system which will become the primary database management system for NAD 1983 coordinates by 1993.
- Work continued to assess whether an Active Control System (ACS) is a feasible method of meeting future needs for positioning and navigation. The study examines the potential of an ACS to provide a more accurate, reliable and dynamic geodetic reference system.

Geographic Information Management

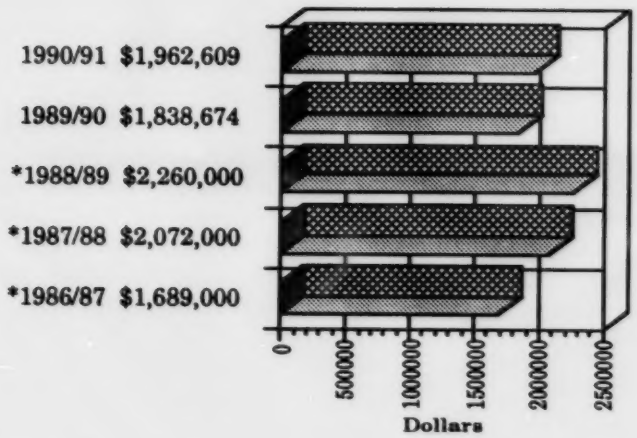
- Geographic Information Systems (GIS) enable management and analysis of information referenced to a geographic location.
- The branch continued to coordinate the development of a GIS for the Ministry of Environment. Staff completed a prototype system design and demonstrated its feasibility.
- The branch will provide a common digital framework for the various land information systems in the Corporate Land Information Strategic Plan — a strategy to consolidate mapping and land information under a single management structure. It is developing a provincial digital atlas containing base map data sets. Specifications for Digital Baseline Mapping at 1:250 000 and 1:2 000 000 were developed in preparation for planimetric data structuring and digital elevation model creation. The production of the 1:20 000 series of maps for the atlas continued through the Terrain Resource Information Management (TRIM) program.
- Development continued for the British Columbia Spatial Archive and Interchange Format (B.C.-SAIF), a geomatics data transfer standard. B.C.-SAIF was submitted to the Canadian General Standards Board for evaluation and consideration as the National Geomatics Interchange Standard.
- A demonstration project showed the integration, access, query and analysis of land resource databases and the value of information developed to a single standard. The demonstration showed how a system independent generic data standard could be utilized by six vendors with two weeks of preparation time.

Figure 14 - Aerial Photography Program Accepted Line Kilometres, 1986/87- 1990/91



*Note: Aerial photograph line kilometres for 1986-88 include photographs for the Terrain Resource Information Management (TRIM) Project.

Figure 15 - Aerial Photography Program Contract Value, 1986/87 - 1990/91



*Note: Contract values for 1986-88 include photography completed for the Terrain Resource Information Management (TRIM) Project.

Baseline Topographic Mapping

Land information is an essential tool for managing many government and private sector operations and has potential economic value. There is increasing demand for access to government land information, particularly in digital format.

Terrain Resource Information Management (TRIM)

Through the TRIM program, a three dimensional database will be created for the production of image replicas of the terrain.

The data, designed to meet national and international standards for versatility and accuracy, will consist of 7,000 digital files covering the province at a scale of 1:20 000.

This data will support the government's integrated approach to resource management and form one of the series of maps in the provincial digital atlas. In 1997, when the TRIM program is complete, digital maps and digital terrain models will be available for the entire province.

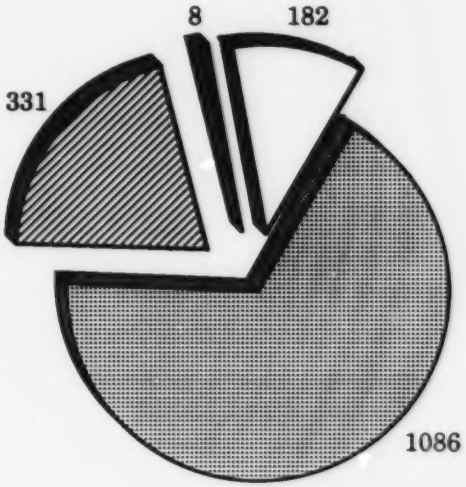
Accomplishments of this program include:

- 686 data files were produced and a total of 1,607 data files were distributed.
- A marketing plan for TRIM was implemented. Open houses were held to demonstrate the production and use of TRIM data to potential clients. As well, workshops were held for government and industry representatives unfamiliar with the use of digital data.
- Cost-share agreements valued at $556,000 were secured, primarily with forest industry companies and government agencies. In addition, there was an exchange of data and services with the federal government.

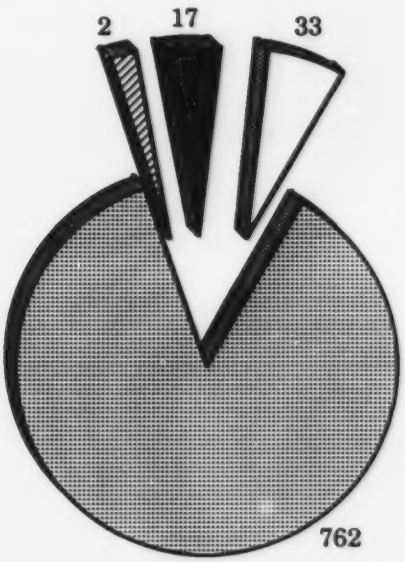
The Commemorative Names Project

During 1990, the Commemorative Names Project was established to highlight the commemoration of Second World War casualties by naming a geographical feature after the deceased. Through this project, the public may propose geographical names. An annual Commemorative Place Names Remembrance Day List names war casualties after whom a geographical feature has been named in the past year. When possible, a Certificate of Remembrance is provided to the eldest next of kin, with a map showing the location of the feature. Although B.C. servicemen and women who lost their lives in the Second World War have been commemorated through geographical names since the 1950s, this project has helped to increase awareness of the commemoration.

Figure 16 - TRIM Digital Data Files Distributed



Total Digital Data Files
Distributed In 1990/91 - 1,607



Total Digital Data Files
Distributed In 1989/90 - 814

Large Scale Mapping

In support of the Federal-Provincial Floodplain Mapping Agreement, 62 topographic base maps were compiled. The maps cover the areas of Keremeos, Princeton-Hedley, Nicomekl River, Bear River and Cowichan River.

Topographic maps were compiled for reservoir mapping of O'Keefe Lake/ Back Lake, Jump Lake, Chewels/Big Meadow, Deadman Lake/Skookum Lake and Arlington Lake, and for the Fall Creek Flood Damage Emergency Project.

Corporate Land Information Strategic Plan (CLISP)

The branch continued its work on projects related to the consolidation of government mapping and the development of mapping standards identified in CLISP. The strategy is to:

- establish a comprehensive strategic framework for rationalizing data management and systems development for land information across government; and
- develop a unified land information infrastructure to facilitate the exchange and sharing of data between government ministries and agencies.

A contractor was hired to design, develop and deliver a prototype system containing ministry corporate data. Close to 100 interviews were conducted in key ministries and Crown corporations to define user expectations. The next step of the project will define the design for the system and the User Access Terminal.

The Land Information Management Framework contains the procedures, guidelines and standards within which land-related data will be managed. This was completed and submitted for review by Treasury Board and the Land Information Strategic Committee.

Lithographic Mapping

Six lithographed maps were revised, and 11,750 copies of nine other lithographed map sheets were reprinted without revision.

Specialty maps and reports were reprinted to meet client demand. The branch reprinted specialty maps for the Parksville/Tofino area, the West Coast Trail and for Electoral Boundaries, and reprinted reports for CLISP.

Map and Air Photo Sales (MAPS-BC)

MAPS-BC distributes maps and aerial photographs to government agencies, resource-based industries, mapping companies, retail outlets and the public. In British Columbia, products are available to the public through a network of Government Agents and private sector agents and the Victoria-based MAPS-BC office. This year, revenues of $828,275 were collected from the sale of maps and aerial photographs.

Figure 17

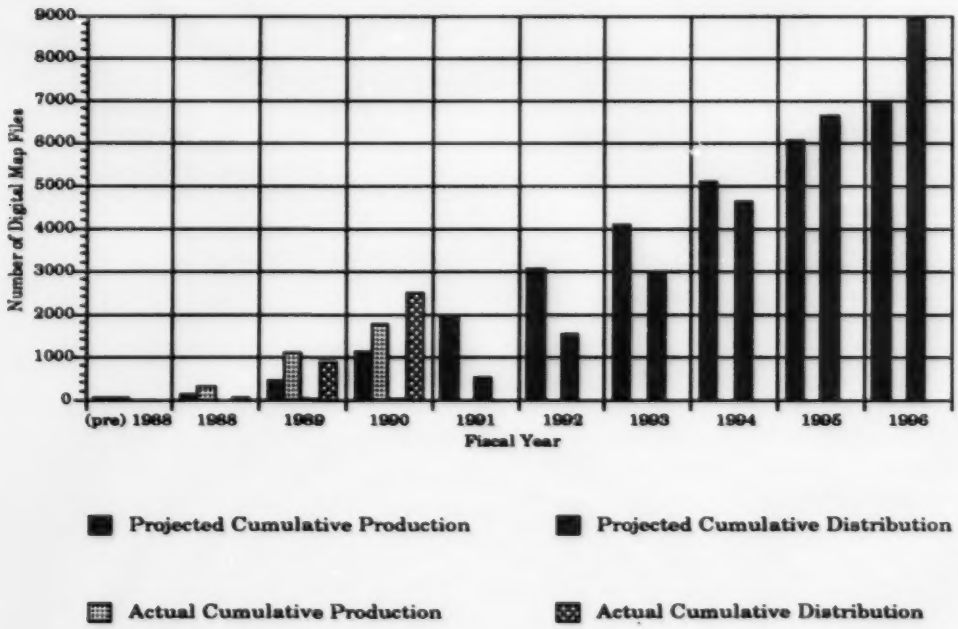
MAPS-BC Distribution Totals, 1986/87 to 1990/91

Fiscal Year	Provincial Lithographs	Federal Lithographs	Totals
1990/91	50,215	44,816	95,031
1989/90	77,682	89,876	167,558
1988/89	67,009	104,244*	191,006**
1987/88	86,078	121,020*	226,523**
1986/87	79,868	79,397	159,265

*MAPS-BC was the regional distributor for the Canada Map Office (Federal Lithos).

**These totals also include distribution of aeronautical charts in 1987/88 and 1988/89

Figure 18 - TRIM Digital Map Files : Production and Distribution



The Air Photo Processing Lab provided 336,861 prints and diapositives. From this, 104,736 color prints were produced under contract.

The Reprographics Lab processed 3,576 requisitions, providing 72,447 whiteprint and photographic products. Of this, 11,567 whiteprints were supplied under contract.

The branch continued to develop an automated order entry and inventory system to link MAPS-BC with branch labs and the Accounts Unit. This system is expected to improve sales operations and inventory management and to strengthen accounting control and financial reporting.

Resource Mapping

The branch produced 1,000 watershed maps and 150 thematic maps for the Ministry of Environment. Thematic mapping support for the Ministry of Environment was concluded, and all data and materials were turned over to that ministry.

Baseline Thematic Mapping (BTM)

The branch's primary digital remote sensing activity is the development of a standardized method for thematic data capture from Landsat Thematic Mapper data. Geographic information system (GIS) compatible data is derived by processing satellite imagery in combination with digital topographic base maps. The product, BTM, consists of a GIS database of three themes: land use, ground cover and topographic features.

A prototype of the ground cover theme at the scale of 1:20 000 was developed and used by the branch to evaluate prototype work done at the 1:250 000 scale. A methodology for efficient and cost effective production of 1:250 000 scale BTM products was developed. In addition, market research identified present and potential users of BTM, and a marketing plan and an information package were produced. Planning has begun for a multi-agency BTM pilot project on Vancouver Island, with the first phase to be implemented in the next fiscal year.

Information Systems

Information Systems Branch is the technology arm of the ministry. The branch's mandate is to provide clients with quality service, leadership and support through effective planning and application of information technology.

The branch's main activity is the development and support of computer systems for its clients. A few highlights include:

Automated Document Production

This facility allows the Regional Operations Division to incorporate information retained in the land and tenure databases into a flexible tenure document structure, reducing turnaround time for document production from days to hours.

Crown Land Account

The Crown Land Account system provides project tracking and financial management facilities for the ministry. Its development has allowed efficient management of the account by improving information access and reporting.

Strategic Information Resource Planning

The ministry is committed to Information Resource Management Planning. A detailed strategic systems plan was produced for the Regional Operations Division during the 1990/91 fiscal year. This plan identifies the future technological "vision" of the branch and details the projects and acquisitions which must be undertaken to achieve that vision.

Crown Land Registry Information Systems Enhancements

The suite of land information systems known as CLRIS contains 14 subsystems. These systems are accessed (and in some cases updated) by all of the resource ministries and agencies.

A number of enhancement projects were completed during the 1990/91 fiscal year. These enhancements were required to ensure that CLRIS continues to reflect the changing needs of the business and that all computerized functions can be performed smoothly.

Corporate Land Information Strategic Plan

The branch participated in the groundwork which laid the foundation of the CLISP initiative. This initiative, led by Surveys and Resource Mapping Branch, will facilitate the sharing of land information among ministries and agencies.

Data Enhancement Pilot

The branch assisted in a test pilot for enhancing data in the Crown Land Registry System. The proposed enhancements will ensure more complete and correct legal descriptions and land conveyancing details.

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Financial Highlights For The Fiscal Year Ending March 31, 1991

Revenues	
Land Sales	$36,283,079
Lease Income	13,697,680
Regulatory, Easement, Assignment and Other Fees	
Timber, Occupational Rent and Miscellaneous Income	
Interest	46,119
Attributable Development Costs	(10,022,666)
Other - Royalties, registration, documentation fees, etc.	7,549,323
Sub Total	47,553,535
Other Fees and Licences	
Sale of Maps and Air Photos	751,391
Miscellaneous	521,897
Sub Total	1,273,288
TOTAL REVENUE	$48,826,823

Financial Highlights 1990/91 Continued

Expenditures

Minister's Office	**$278,145**
Lands Services	
Deputy Minister's Office	$433,063
Assistant Deputy Minister's Office	346,505
Support Services Branch	3,080,544
Land Policy Branch	1,195,459
Real Estate Services Branch	837,906
Information Systems Branch	4,098,560
Surveyor General Branch	4,533,273
Surveys and Resource Mapping Branch	12,450,475
Sub Total	**26,975,785**
Regional Operations	
Executive Director's Office	293,486
Vancouver Island Region	1,383,005
Lower Mainland Region	1,463,088
Thompson/Okanagan Region	1,353,775
Kootenay Region	1,083,880
Cariboo Region	1,327,344
Skeena Region	1,200,374
Omineca Region	1,172,073
Peace Region	1,159,413
Sub Total	**10,436,431**
Crown Land Special Account Expenditures	**5,826,925**
TOTAL EXPENDITURES	**$43,517,294**

Figure 19

LAND ACT DISPOSITIONS ISSUED IN 1990/91, BY LANDS REGION

NUMBER OF DISPOSITIONS

PROGRAM	Vancouver Island	Lower Mainland	Thompson-Okanagan	Kootenay	Cariboo	Skeena	Omineca	Peace	All
Land									
Agriculture	1	8	9	9	32	17	24	10	**110**
Aquaculture	0	0	0	0	0	0	0	0	**0**
Industrial	10	7	14	12	3	17	6	373	**442**
Commercial	18	18	32	30	28	35	15	12	**188**
Residential	64	218	179	122	359	120	34	28	**1,124**
Utility	15	8	38	15	15	7	14	106	**218**
Community	3	2	3	3	2	2	2	1	**18**
Institutional	19	12	7	4	4	7	3	7	**63**
Quarrying	2	14	12	17	9	53	14	39	**160**
Transportation	15	10	33	13	10	27	21	32	**161**
Communication	5	5	18	6	7	14	1	3	**59**
Miscellaneous	29	12	38	26	13	20	8	16	**162**
Land Total	**181**	**314**	**383**	**257**	**482**	**319**	**142**	**627**	**2,705**
Aquatic									
Aquaculture	31	4	0	0	1	1	0	0	**37**
Industrial	26	23	2	3	8	22	3	0	**87**
Commercial	33	12	6	5	2	3	0	1	**62**
Residential	129	46	73	4	2	3	0	0	**257**
Utility	11	7	6	3	0	4	0	0	**31**
Community	0	2	1	0	0	0	0	0	**3**
Institutional	4	6	1	0	1	0	0	0	**12**
Quarrying	1	5	0	1	0	1	3	0	**11**
Transportation	6	4	1	0	0	2	0	0	**13**
Communication	0	1	0	0	0	0	0	0	**1**
Miscellaneous	8	4	17	3	1	3	0	2	**38**
Aquatic Total	**249**	**114**	**107**	**19**	**15**	**39**	**6**	**3**	**552**
Grand Total	**430**	**428**	**490**	**276**	**497**	**358**	**148**	**630**	**3,257**

Note: Includes Crown grants, leases, licences, permits, rights-of-way, transfers, inclusions and reserves.

Figure 20

LAND ACT DISPOSITIONS ISSUED IN 1990/91, BY LANDS REGION

AREA IN HECTARES

PROGRAM	Vancouver Island	Lower Mainland	Thompson-Okanagan	Kootenay	Cariboo	Skeena	Omineca	Peace	All
Land									
Agriculture	7	80	147	299	880	1,185	1,689	731	5,018
Aquaculture	0	0	0	0	0	0	0	0	0
Industrial	459	134	224	35	5	117	120	738	1832
Commercial	20	325	5,423	1,387	78	62	116	14	7,425
Residential	19	6,556	76	56	320	55	28	50	7,160
Utility	30	36	67	616	4	360	30	1,037	2,180
Community	2	8	1,933	2	0	0	25	2	1,972
Institutional	392	170	16	11	3	27	407	18	1,044
Quarrying	1	183	1,048	1,133	92	1,122	161	252	3,992
Transportation	36	335	107	7	5	180	497	218	1,385
Communication	1	0	23	0	281	0	0	10	315
Miscellaneous	43,694	10,189	8,569	45,826	1,800	168	88,390	531	199,167
Land Total	**44,661**	**18,016**	**17,633**	**49,372**	**3,468**	**3,276**	**91,463**	**3,601**	**231,490**
Aquatic									
Aquaculture	143	17	0	0	8	14	0	0	182
Industrial	178	96	20	21	35	232	75	0	657
Commercial	43	6	11	4	0	40	0	0	104
Residential	8	14	4	1	1	0	0	0	28
Utility	70	2	0	0	0	159	0	0	231
Community	0	0	28	0	0	0	0	0	28
Institutional	5	6	1	0	0	0	0	0	12
Quarrying	1	27	0	1	0	21	8	0	58
Transportation	6	3	0	0	0	0	0	0	9
Communication	0	0	0	0	0	0	0	0	0
Miscellaneous	12	11	190	80	25	2,761	0	94	3,173
Aquatic Total	**470**	**186**	**257**	**108**	**70**	**3,229**	**83**	**94**	**4,482**
Grand Total	**45,127**	**18,198**	**17,887**	**49,479**	**3,537**	**6,503**	**91,546**	**3,695**	**235,972**

Note: Includes Crown grants, leases, licences, permits, rights-of-way, transfers, inclusions and reserves.

Figure 21

CROWN LAND ADMINISTRATIVE TRANSACTIONS IN 1990/91, BY LANDS REGION

NUMBER OF TRANSACTIONS

PROGRAM	Vancouver Island	Lower Mainland	Thompson-Okanagan	Kootenay	Cariboo	Skeena	Omineca	Peace	All
Land									
Agriculture	5	58	87	24	220	61	209	89	753
Aquaculture	2	2	0	0	0	0	0	0	4
Industrial	14	7	8	10	15	30	5	211	300
Commercial	26	54	88	66	38	65	55	22	414
Residential	139	285	496	237	518	135	775	37	2,622
Utility	35	55	116	82	27	49	30	206	600
Community	8	8	12	7	7	6	15	7	70
Institutional	23	16	29	20	4	13	10	11	126
Quarrying	31	45	126	68	139	66	46	44	565
Transportation	25	11	30	28	30	41	20	18	203
Communication	16	19	66	39	32	32	19	10	233
Miscellaneous	61	50	214	108	272	265	19	22	1,011
Land Total	**385**	**610**	**1,272**	**689**	**1,302**	**763**	**1,203**	**677**	**6,901**
Aquatic									
Aquaculture	185	141	0	0	8	13	0	0	347
Industrial	130	129	10	14	30	44	4	0	361
Commercial	213	66	61	24	9	31	2	0	406
Residential	97	97	49	10	4	8	0	0	265
Utility	48	32	20	28	4	11	2	1	146
Community	3	4	3	0	0	0	0	0	10
Institutional	19	9	15	1	0	0	1	0	45
Quarrying	1	0	0	2	2	5	0	0	10
Transportation	37	13	5	6	3	18	0	0	2
Communication	0	1	0	0	0	1	0	0	2
Miscellaneous	28	19	7	16	4	23	1	2	100
Aquatic Total	**761**	**521**	**170**	**101**	**64**	**154**	**10**	**3**	**1,784**
Grand Total	**1,146**	**1,131**	**1,442**	**790**	**1,366**	**917**	**1,213**	**680**	**8,685**

Note: Includes purchase options, replacements, reviews, assignment and other administrative tasks.

Figure 22

LAND ACT TENURE PORTFOLIO

AS OF MARCH 31, 1991, BY LANDS REGION

NUMBER OF TENURES

PROGRAM	Vancouver Island	Lower Mainland	Thompson-Okanagan	Kootenay	Cariboo	Skeena	Omineca	Peace	All
Land									
Agriculture	12	84	284	42	610	223	431	554	2,240
Aquaculture	5	3	0	0	0	0	0	0	8
Industrial	33	36	31	42	19	48	14	1,295	1,518
Commercial	101	120	158	117	116	114	99	42	867
Residential	161	905	1,286	268	1,302	538	727	60	5,247
Utility	144	248	552	294	217	163	158	1,106	2,882
Community	37	43	74	55	49	35	40	21	354
Institutional	85	89	105	55	54	54	54	50	546
Quarrying	48	60	36	27	36	46	31	24	308
Transportation	38	17	31	15	18	22	25	24	190
Communication	81	72	184	139	83	127	73	88	847
Miscellaneous	15	6	16	5	12	34	4	5	97
Land Total	**760**	**1,683**	**2,757**	**1,059**	**2,516**	**1,404**	**1,656**	**3,269**	**15,104**
Aquatic									
Aquaculture	478	180	0	0	0	6	0	0	664
Industrial	405	419	24	36	55	150	14	2	1,105
Commercial	445	164	83	36	38	59	6	2	833
Residential	612	420	163	40	12	16	1	0	1,264
Utility	224	138	124	66	22	36	19	5	634
Community	9	12	10	4	1	6	1	1	44
Institutional	72	50	25	5	1	3	5	0	161
Quarrying	2	8	4	0	2	9	1	0	26
Transportation	24	21	5	4	2	8	1	1	66
Communication	0	2	1	0	0	3	0	0	6
Miscellaneous	19	8	11	1	2	4	1	0	46
Aquatic Total	**2,290**	**1,422**	**450**	**192**	**135**	**300**	**49**	**11**	**4,849**
Grand Total	**3,050**	**3,105**	**3,207**	**1,251**	**2,651**	**1,704**	**1,705**	**3,280**	**19,953**

Note: Includes leases, licences, permits, rights-of-way and transfers.

Figure 23

LAND ACT TENURE PORTFOLIO AS OF MARCH 31, 1991, BY LANDS REGION

AREA IN HECTARES

PROGRAM	Vancouver Island	Lower Mainland	Thompson-Okanagan	Kootenay	Cariboo	Skeena	Omineca	Peace	All
Land									
Agriculture	168	155	91,359	1,920	67,164	28,562	39,337	96,603	325,268
Aquaculture	26	14	0	0	0	0	0	0	40
Industrial	257	843	883	933	159	470	62	8,570	12,177
Commercial	370	3,585	1,104	9,413	3,291	271	3,191	141	21,366
Residential	85	316	503	109	4,221	206	352	87	5,879
Utility	3,146	4,625	12,863	7,355	5,330	4,213	1,593	12,405	51,530
Community	400	411	473	330	347	285	373	544	3,163
Institutional	756	2,480	1,699	530	328	4,025	1,112	529	11,459
Quarrying	398	1,947	359	714	300	462	625	258	5,063
Transportation	50,564	33	52	57	196	315	668	294	52,179
Communication	114	79	248	127	122	219	144	10,350	11,403
Miscellaneous	1,794	734	543	433	5,082	1,021	881	338	10,826
Land Total	**58,078**	**15,222**	**110,086**	**21,921**	**86,540**	**40,049**	**48,338**	**130,119**	**510,353**
Aquatic									
Aquaculture	2,272	938	0	0	0	38	0	0	3,248
Industrial	5,711	2,582	253	591	523	1,992	735	188	12,575
Commercial	396	909	62	27	56	106	2	0	1,558
Residential	66	53	8	6	18	3	0	0	154
Utility	3,754	4,767	838	152	35	467	9	7	10,029
Community	9	11	11	4	1	404	0	0	440
Institutional	613	1,883	95	18	0	8	3	0	2,620
Quarrying	2	24	18	0	4	133	3	0	184
Transportation	15	316	2	3	1	8	1	464	810
Communication	0	5	0	0	0	0	0	0	5
Miscellaneous	23,190	991	260	0	8	10	2	0	24,461
Aquatic Total	**36,028**	**12,479**	**1,547**	**801**	**646**	**3,169**	**755**	**659**	**56,084**
Grand Total	**94,106**	**27,701**	**111,633**	**22,722**	**87,186**	**43,218**	**49,093**	**130,778**	**566,437**

Note: Includes leases, licences, permits, rights-of-way and transfers.

Figure 24

LAND ACT RESERVE PORTFOLIO AS OF MARCH 31, 1991, BY LANDS REGION

NUMBER OF RESERVES

PROGRAM	Vancouver Island	Lower Mainland	Thompson-Okanagan	Kootenay	Cariboo	Skeena	Omineca	Peace	All
Land									
Agriculture	0	1	24	4	99	4	8	12	152
Aquaculture	0	1	0	0	0	0	0	0	1
Industrial	1	6	3	9	4	10	7	5	45
Commercial	7	15	43	58	42	72	62	67	366
Residential	1	63	5	75	30	9	13	1	197
Utility	3	0	7	1	2	6	4	4	27
Community	0	1	0	2	1	1	2	4	11
Institutional	10	18	13	16	1	24	8	18	108
Quarrying	63	89	318	228	277	297	302	273	1,847
Transportation	98	56	65	68	62	99	16	90	554
Communication	7	32	33	34	24	37	15	13	195
Miscellaneous	241	483	734	635	827	617	255	290	4,082
Land Total	**431**	**765**	**1,245**	**1,130**	**1,369**	**1,176**	**692**	**777**	**7,585**
Aquatic									
Aquaculture	4	4	0	0	0	0	0	0	8
Industrial	25	33	0	1	8	15	0	0	82
Commercial	0	1	0	0	0	1	0	0	2
Residential	0	4	0	0	0	0	0	0	4
Utility	8	1	0	0	0	0	0	0	9
Community	0	4	0	0	0	0	0	0	4
Institutional	6	10	3	1	0	1	0	0	21
Quarrying	4	19	0	0	0	1	2	2	28
Transportation	114	71	20	16	8	36	7	1	273
Communication	0	5	1	0	0	0	0	0	6
Miscellaneous	108	110	57	42	23	70	14	28	452
Aquatic Total	**269**	**262**	**81**	**60**	**39**	**124**	**23**	**31**	**889**
Grand Total	**700**	**1,027**	**1,326**	**1,190**	**1,408**	**1,300**	**715**	**808**	**8,474**

Figure 25

LAND ACT RESERVE PORTFOLIO AS OF MARCH 31, 1991, BY LANDS REGION

AREA IN HECTARES

PROGRAM	Vancouver Island	Lower Mainland	Thompson-Okanagan	Kootenay	Cariboo	Skeena	Omineca	Peace	All
Land									
Agriculture	0	24	1,604	501	22,791	8	3,799	170,337	199,064
Aquaculture	0	20	0	0	0	0	0	0	20
Industrial	400	117	287	2,533	375	140	5,971	4	9,827
Commercial	1	14,548	19,076	10,269	45	82	13	228	44,262
Residential	0	72	111	807	2,779	42	206	65	4,082
Utility	20	0	127	1	19	0	10	119	296
Community	0	0	0	25	0	0	0	59	84
Institutional	992	1,082	96	866	4	185	56	92	3,373
Quarrying	1,238	53,402	8,547	4,845	11,275	7,220	18,616	13,933	119,076
Transportation	1,512	1,273	2,675	4,302	524	2,868	423	1,118	14,695
Communication	1	17	378	344	50	137	319	167	1,413
Miscellaneous	438,080	56,240	454,091	937,456	387,246	371,776	150,948	142,331	2,938,168
Land Total	**442,244**	**126,795**	**486,992**	**961,949**	**425,108**	**382,458**	**180,961**	**328,453**	**3,334,360**
Aquatic									
Aquaculture	38	21	0	0	0	0	0	0	59
Industrial	590	465	0	33	7,439	1,245	0	0	9,781
Commercial	0	60	0	0	0	0	0	0	60
Residential	0	2	0	0	0	0	0	0	2
Utility	85	0	0	0	0	0	0	0	85
Community	0	202	0	0	0	0	0	0	202
Institutional	26	32	2	5,000	0	0	0	0	5,060
Quarrying	108	101	0	0	0	0	22	151	382
Transportation	793	144	12	290	8	145	0	0	1,392
Communication	0	440	0	0	0	0	0	0	440
Miscellaneous	5,527	37,139	2,007	1,672	1,392	16,483	661	1,147	66,028
Aquatic Total	**7,167**	**38,606**	**2,021**	**6,995**	**8,839**	**17,882**	**683**	**1,298**	**83,491**
Grand Total	**449,411**	**165,401**	**489,013**	**968,944**	**433,947**	**400,340**	**181,044**	**329,751**	**3,417,851**